

PUBLIC NOTICE

Michigan Water Resources Commission  
Stevens T. Mason Building  
Lansing, Michigan 48926  
517-373-8088

NC

US EPA RECORDS CENTER REGION 5



402874

Permit Number:  
MI 0028509

NOTICE: Application for National Pollutant Discharge Elimination System (Public Law 92-500) Permit by Pennwalt Corporation, West Plant Wyandotte Michigan, to discharge treated process wastes and cooling water to Monguagon Creek (Hunnington Drain)

Pennwalt Corporation has applied for a National Pollutant Discharge Elimination System (NPDES) Permit to discharge treated process wastes and cooling water into the waters of the State of Michigan. The permit will be issued by the Michigan Water Resources Commission.

The applicant is engaged in the manufacture of organic chemicals. The company discharges its effluent

On the basis of preliminary staff review and application of applicable standards and regulations, the Michigan Water Resources Commission proposes to issue a permit for the discharge subject to certain effluent limitations and special conditions. The permit expiration date is October 31, 1979.

The proposed determination to issue an NPDES Permit is tentative. Persons wishing to comment upon, or object to, the proposed determination are invited to submit the same in writing to:

Mr. James N. Howell  
Division Permit Coordinator  
Michigan Water Resources Commission  
Stevens T. Mason Building  
Lansing, Michigan 48926

The permit application number should appear next to the above address on the envelope and the first page of any submitted comments. All comments received within thirty (30) days of the date of issuance of this public notice will be considered in the formulation of the final determinations. If no written objections are received, the Michigan Water Resources Commission will issue its final determinations no later than sixty (60) days following the date of this notice.

The application, proposed permit including proposed effluent limitations and special conditions, comments received, and other information, are on file and may be inspected at the Water Resources Commission, 8th Floor, Stevens T. Mason Building, Lansing, Michigan and at the District office located at R# 2, 37205 Mouille Road, Rockwood at any time between 9:30 a.m. and 3:30 p.m., Monday through Friday.

Copies of the Public Notice and the corresponding Fact Sheet summarizing application information and proposed permit conditions are available at no charge at the Michigan Water Resources Commission. Copies of all other information are available at a cost of \$.20 per page at the Michigan Water Resources Commission.

Please bring the foregoing to the attention of persons whom you know would be interested in this matter.

PACT SHEET

 -2-  
 (Fact Sheet)

Monguagon Creek is classified for Recreation - partial body contact; Fish, Wildlife, and Aquatic life - intolerant fish, warm-water species; Agriculture; Commercial; Water Supply - industrial; and other uses. A more complete description of the discharges and a sketch of their location follow below.

Description of Existing Discharge

<u>Discharge 006</u>	<u>Average</u>	<u>Maximum</u>
Flow	5.9 mgd	10.0 mgd
Temperature		
Winter	53°F	61°F
Summer	89°F	91°F
BOD <sub>5</sub>	49.2 lbs/day	83 lbs/day
COD	5806 lbs/day	24,603 lbs/day
Total Suspended Solids	1033 lbs/day	1,835 lbs/day
Ammonia (as N)	1.3 mg/l	2.0 mg/l
Kjeldahl Nitrogen	10 mg/l	15.9 mg/l
Total Zinc	1.6 mg/l	4.28 mg/l
Oil and Grease	28 mg/l	44 mg/l
Chlorides	2265 lbs/day*	8800 lbs/day**
Sulfide	2.6 mg/l*	

\* from application

\*\* State Stipulation

Proposed Determinations

The Michigan Water Resources Commission has examined the above application. The effluent limitations contained in the proposed permit are based upon application of guidance materials reflecting "best practicable control technology currently available" and the State of Michigan Water Quality Standards, whichever is more restrictive. The Michigan Water Resources Commission proposes to issue the applicant a permit to discharge subject to effluent limitations and certain other conditions. The following is a brief description of the proposed effluent limitations and special conditions:

1. Proposed Limitations

<u>CONSTITUENTS</u>	<u>AVERAGE</u>	<u>MAXIMUM</u>
<u>Process Wastes prior to mixing with noncontact cooling water</u>		
BOD <sub>5</sub>	380 lbs/day	570 lbs/day
Total Suspended Solids	380 lbs/day	570 lbs/day
Ammonia	5 mg/l	10 mg/l
Phenol	-	0.3 mg/l
<u>Total Plant Effluent</u>		
BOD <sub>5</sub>	-	10 mg/l
Chlorides	-	8,800 lbs/day
Chlorine residual	-	0.5 mg/l
Oil and Grease	-	10 mg/l
Total Zinc	-	1.0 mg/l

2. Proposed Special Conditions

The company is given until May 1, 1977 to meet the new limitations. Monitoring of essential parameters with monthly reporting are specified in the permit. The permit expiration date is October 31, 1979.

Register of Interested Persons

Any person interested in a particular application or group of applications, may leave his name, address, and phone number as part of the file for an application. The list of names will be maintained as a means for persons with an interest in an application to contact others with similar interests.

-3-  
(Fact Sheet)

Public Hearing

if submitted comments indicate a significant public interest in the application or if useful information may be produced thereby, the Michigan Water Resources Commission at its discretion, may hold a public hearing on the application. Any person may request the Michigan Water Resources Commission to hold a public hearing on the application.

Public notice of a hearing will be circulated at least thirty (30) days in advance of hearings. The hearing will be held in the vicinity of the discharge. Thereafter, the Michigan Water Resources Commission will formulate its final determination within sixty (60) days. Further information regarding the conduct and nature of public hearings concerning discharge permits may be obtained by writing or visiting the address shown on the Public Notice.